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Research community honours fathers of stem cell science

BY JANE FINLAYSON

Fifty years ago, two young, unknown scientists at the University of Toronto and the fledgling Ontario Cancer Institute (OCI) published accidental findings that proved the existence of stem cells — cells that can self-renew repeatedly for different uses.

Acclaimed the world over as the "fathers of stem cell science," **James Till**, a biophysicist, and the late **Ernest McCulloch**, a hematologist, both University Professors Emeriti, were honoured Feb. 1 by the next generation of scientific peers, colleagues and students on the anniversary of their pivotal discovery. The occasion also honoured the memory of McCulloch who died Jan. 20 at age 84.

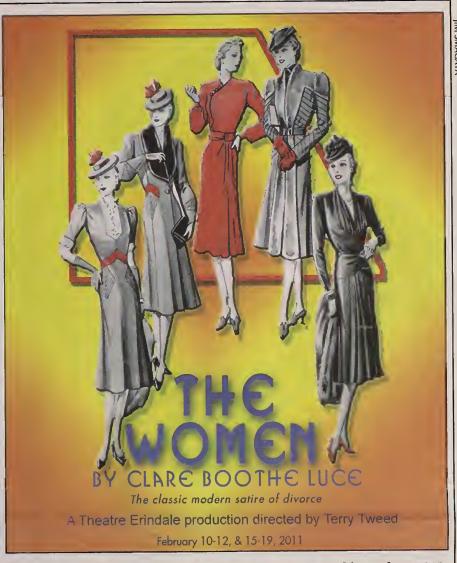
Over the years, international excitement generated by the stem cell discovery has inspired and attracted many talented scientists to Toronto to study with Till and McCulloch.

"We were very lucky and owe a lot to U of T to have attracted a very talented group of students to our research group," said Till at the Feb. 1 ceremony.

When Till and McCulloch began collaborating in the late 1950s, they were studying radiation sensitivity by injecting bone marrow cells into irradiated mice. They observed visible nodules in the spleens of the mice in proportion to the number of bone marrow cells injected. They named the nodules spleen colonies and speculated that each nodule arose from a single marrow cell — perhaps a stem cell.

This discovery, for which Till and McCulloch won the coveted Gairdner Foundation International Award in 1969, laid the foundation for bone marrow transplantation. The scientists, both appointed officers of the Order of Canada, were inducted into the Canadian Medical Hall of Fame in 2004. The next year they received the Albert Lasker Basic Medical Research Award — considered the most prestigious medical science award in the United States. In 2007, they received the National Cancer Institute of Canada Diamond Jubilee Award.

"They excelled in making connections that became obvious to others only after they [Till and McCulloch] proved them," said University Professor **Tak Mak**, himself a renowned cancer researcher, who was hired by Till in 1975 as a post-doctoral fellow. "The ... TILL ON PAGE 4



Theatre Erindale's production of The Women premieres this week at UTM.

Donnelly donates \$12 million for UTM health complex

BY JANE STIRLING

Philanthropist Terrence Donnelly

has donated \$12 million to the University of Toronto to support students and help construct a new health sciences complex at U of T Mississauga. The gift is the largest donation ever made to the Mississauga campus.

Donnelly's gift will support the construction of the building that will house the Mississauga Academy of Medicine and support medical students through bursaries and scholarships. The facility

will be named the Terrence Donnelly Health Sciences Complex.

Donnelly, president and director of The Colonel Harland Sanders Charitable Organization, Inc. (Canada) and president of The Terrence Donnelly Foundation, pledged \$12 million as part of a campaign to increase the number of highly trained physicians in the province. The provincial government and private donors, including Mississauga businessman Carlo Fidani with a challenge gift, helped fund the

· · · DONNELLY ON PAGE 4

Woody Harrelson to direct Hart House spring production

BY ELAINE SMITH

Emmy Award-winning actor Woody Harrelson will direct the Hart House production of *Bullet for Adolf* this

spring.

Harrelson is co-author of the partially autobiographical play, whose title refers to a gun intended to kill Hitler. The production, set in Houston during a racially charged summer, is slated to open April 19 and run through May 7.

"The eight characters in this play are based on real people," he said in a news

release. "The names have been changed to protect the not-so-innocent. ... Now, it's about three per cent history and 97 per cent embroidery."

Harrelson is not a stranger to the Toronto stage. In 2003, he directed the Toronto premiere of Kenneth Lonergan's *This is Our Youth* at the Berkley Street Theatre, working with producer Marcello Cabezas, one of the producers of the upcoming Hart House production.

"It was during that time that I fell in

··· WOODY ON PAGE 4

Generosity ...

is a precious commodity, since it is not a trait everyone possesses. Luckily, the University of Toronto is fortunate enough to have friends who are generous to us, such as philanthropist Terrence Donnelly, president and director of The Colonel Harland Sanders Charitable Organization, Inc. (Canada) and president of The Terrence Donnelly Foundation. Donnelly, as you'll see on the front page, continues to be extremely generous to the Faculty of Medicine, a faculty he has "adopted" as his own. Following on his 2004 gift to what is now the Terrence Donnelly Centre for Cellular and Biomolecular Research on the St. George campus, he has donated \$12 million to the newly named Terrence Donnelly Health Sciences Complex at U of T Mississauga. He appears to be fascinated by the work done inside the buildings he so generously supports and has become a true friend to the faculty.

Generosity is not always demonstrated through monetary involvement, however. Many of us don't have those resources at hand. Instead, we offer our time. **Diana Tucker** at the Faculty of Dentistry is one such person (see page 8). After hours, she devotes her time and energies to promoting art, a personal interest of hers that she is keen to share far and wide. The art shows she has taken the time to help organize have reached many people across Ontario who may have little other exposure to such works.

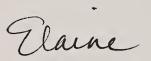
There is also a generosity of spirit that is manifested in the sharing of knowledge and in mentoring. U of T's two stem cell pioneers, **James Till** and the late **Ernest McCulloch** (see page 1) were renowned not only for their research skills but for their willingness to collaborate with others and to nurture up and coming researchers. In fact, Till has taken this passion one step further in his recent work on open access to research.



Of course, generosity isn't always appropriate, as histo-

rian **Margaret Abbott** tells us (see page 6). She recounts tales of marriages in which the husbands were only too happy to share their sexual favours with women other than their wives. Perhaps generosity *should* know some bounds.

Happy Valentine's Day,



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the Bulletin

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The top and sidebar art on the front page is composed of photographs taken at the Kensington Market.

U of T engineering professor named to the Order of Ontario

BY ELIZABETH RAYMER

Professor Molly Shoichet of chemical engineering and the Institute for Biomaterials and Biomedical Engineering was named to the Order of Ontario Jan. 21.

Eight alumni, two building donors and a previously nominated professor also received medals from Lieutenant-Governor David Onley at the Jan. 27 induction ceremony at Queen's Park.

Shoichet designs strategies and materials to help the body heal itself after traumatic injury, in particular to the brain and spinal cord. She holds the Tier 1 Canada Research Chair in Tissue Engineering and is a professor of chemical engineering and applied chemistry, chemistry and biomaterials and biomedical engineering. She is an expert in the study of polymers for drug delivery and regeneration, which are materials that promote healing in the body.

She has published close to 400 papers, patents and abstracts and has given more than 250 lectures worldwide. She currently leads a laboratory of 25 researchers, has graduated 75 researchers over the past 15 years and has founded two spinoff companies from research in her laboratory.

Shoichet is the recipient

of such prestigious distinctions as the Canada Council for the Arts' Killam Research Fellowship, the Natural Sciences and Engineering Research Council's Steacie Fellowship, the Canadian Institute for Advanced Research's Young Explorer's Award (to the top 20 scientists under 40 in Canada), the Canadian Society of Chemical Engineering's Syncrude Innovation Award, Canada's Top 40 Under 40 and the Royal Society of Canada's Rutherford Memorial Medal for chemistry. She was elected a fellow of the American Association for the Advancement of Science in 2011 and a fellow of the Royal Society of Canada in 2008, considered the highest distinction awarded to a Canadian scientist.

"We are extremely proud that the province of Ontario has recognized Professor Shoichet's outstanding contributions to regenerative medicine," said Professor **Cristina Amon**, dean of faculty of Applied Science and Engineering. "This honour confirms the impact of the engineering research being conducted at the Faculty and the tremendous reputation that Professor Shoichet has earned in her field."

Alumni named to the Order of Ontario are Professor Joseph Chin of the University of Western Ontario, a leader in the

prevention and treatment of prostate cancer; Lillie Johnson, Ontario's first black director of public health; Clare Lewis, a former Crown attorney and Ontario ombudsman; Edward Sonshine, president and chief executive officer of RioCan Real Estate Investment Trust; Reverend Canon Reginald Stackhouse, a social, political and religious author and commentator; Professor David Staines of the University of Ottawa, a champion of Canadian literature; Martin Teplitsky, a senior partner at Teplitsky, Colson LLP and Professor Emeritus Elizabeth Hillman Waterston of the University of Guelph, an expert on Canadian writers.

Lynn Factor, a social worker for whom the Factor-Inwentash School of Social Work is named, and Ignat Kaneff, chair and CEO of the Kaneff Group of Companies, for whom U of T Mississauga's Kaneff Centre for Management and Social Sciences is named, were also named to the Order of Ontario.

Professor **James Orbinski** of the Dalla Lana School of Public Health, the Department of Family and Community Medicine and the Munk School for Global Affairs was previously named to the order but also received his medal at the Jan. 27 ceremony.

U of T wins numerous Accolades

BY AILSA FERGUSON

The results are in and U of T is the proud winner of seven awards — four of them gold — in the 2011 Council for the Advancement and Support of Education (CASE) District II Accolades Awards competition, recognizing best practices, programs and communications in advancement.

Leading the way, it was neck and neck with the Division of University Advancement and the office of the vice-president (research) and associate provost garnering two gold medals each.

University advancement's website www.give.toronto. ca won in the website (fundraising development) category, while Spring Reunion 2010 took the gold in the website (alumni relations) category. The office of the vice-president (research) brought home gold in the newsletters (four-colour) category for Edge, the office's research magazine, and in the annual or institutional reports category for the 2009-10 annual report, University of Toronto: Ideas That Could Change the World.

The University of Toronto Magazine won silver for magazines (four colour) in the four-year colleges/universities category while Nexus, published by the Faculty of Law, won the bronze medal in visual design in print (illustrations) for the illustration by Dan Page to accompany the story Open Access in the spring/summer 2010 issue; there were no gold or silver award winners in this category.

Also garnering bronze was a 20-page Hart House booklet promoting Toronto and U of T as the ideal choice for the 2010 World Universities Debating Championship, highlighting a history of success in hosting the championship.

Accolades winners were recognized Feb. 7 at an awards reception during CASE II's annual conference in Baltimore.



"I was raised by a single mom who couldn't afford to help me through school. Without this scholarship, I wouldn't be able to pay my tuition."

KEVIN D. SHIELD Pursuing a Master of Health Science in Community Health & Epidemiology



Leave a gift to the University of Toronto and change a student's life. Contact Michelle Osborne at 416-978-3811

Faculty of Law offers global executive master's degree

BY ELAINE SMITH

Business schools initiated the notion of an executive master's degree, but U of T's Faculty of Law is now putting its own stamp on the concept.

Beginning this fall, the faculty plans to offer a global professional master of laws degree (GPLLM) focusing on business law. (The degree is subject to final approval by the Ontario Council on Graduate Studies.) Modelled on executive MBA programs, the part-time program is aimed at working lawyers and business executives without a law degree who can't take a year away from their jobs to enhance their education. The program is one year in

"Our belief is that bringing lawyers and business leaders together in one classroom will generate a rich discussion drawn from many different professional experiences and perspectives."

- Professor Mayo Moran

duration, albeit a very intense year. Courses will be offered one evening a week, with occasional weekend sessions.

"We are very excited about the launch of this innovative program. It is the first of its kind in North America and will be taught by our world-renowned business law faculty as well as leading international business and management scholars and experts in the field," said Professor Mayo Moran, dean of the Faculty of Law.

"Globalization is having an impact on the kinds of skills that lawyers need today in order to succeed — including problem-solving, leadership, strategic thinking and cultural awareness. We believe this program will also benefit non-lawyers who are often required to make decisions that are influenced by both business and legal considerations. Our belief is that bringing lawyers and business leaders together in one



Professor Mayo Moran, dean of the Faculty of Law

classroom will generate a rich discussion drawn from many different professional experiences and perspectives."

The program is aimed at both lawyers and non-lawyers who seek an in-depth understanding of the legal environment that affects today's global business ventures. Successful applicants will have three or more years of experience practising law or midlevel to senior managers whose jobs somehow bring them face to face with legal issues.

"The timing is perfect in a lot of ways," said Archana Sridhar, assistant dean (graduate program) at the faculty. "The legal profession is becoming so much more globalized. We'll be teaching from the perspective of Canadian law, but all through the lens of globalization. The entire curriculum will be infused with that and participants will see how all transactions are touched by the global economy."

Participants in the program will be required to take nine courses: six core courses and three electives. Courses will be jointly taught by U of T faculty and full-time practising lawyers, giving students access to both the latest scholarship and an understanding of current legal practice. University Professor Michael Trebilcock, who is a renowned expert in law and economics, is the program's academic director. The case study methodology planned for the courses should have practical value for both legal and business professionals.

"We hope what they learn in the classroom will go right back out to inform their work," Sridhar said. "The program should set people up very well to serve their employers or clients."

Prospective students included in U of T community

BY ELAINE SMITH

Thanks to a new student portal, applicants to U of T can feel at home at the university even before they are accepted to study here.

Join U of T is an online gateway to the U of T experience for both applicants and admitted students. The website went live in mid-January and has already attracted more than 20,000 unique visitors, with visits from U of T applicants in 112 countries.

The website is a tri-campus effort, said Professor Jill Matus, vice-provost (students), designed to make U of T more approachable and welcoming.

"We hatched the idea because we know students coming to U of T often feel like it's a big place and they're lost in the crowd," she said. "We wanted to personalize the admissions process and invite students to become part of the community when they apply."

Once students submit an application, they receive a welcome email containing a unique user ID that allows them to log onto the Join U of T website. After they're accepted, their login gives

them access to additional portal features relevant to incoming students.

The site offers a rich environment for potential students to explore. They can check their application status, take part in live chats with representatives from various programs, peruse a collection of U of T photos, watch videos from the university's YouTube channel and offer their opinions on questions posted on the site. A Twitter feed, student blogs and a Facebook page are also key Join U of T features, allowing prospective students to interact with others who may someday be their classmates.

The variety of offerings helps students remain engaged with the university while they await acceptance.

"This can otherwise be an anxious waiting period for students," said Richard Levin, executive director of enrolment services. "Join U of T encourages students to use that time to explore the university, become part of a community and share information with their peers."

Added Matus, "We're attempting to build community even before they're on campus."

Once students are accepted, the portal simplifies the next steps. Much of the information they need about applying to residence and about specific faculties, colleges and programs will be accessible to them online. The site will replace much of the printed matter that previously flooded their mailboxes.

"We're reducing printing and mailing costs and responding to student concerns about sustainability,"

Join U of T will also enable divisions to reach out quickly and directly to the students they have admitted and to foster a relationship with them.

Both Matus and Levin are enthusiastic about the portal, given the positive response it has received, but they won't rest on their laurels. They have conducted focus groups of high school students to help them fine-tune the site and will be looking at usage patterns and consulting with students, recruitment and registrarial staff regularly to determine how to improve it.

New recognition program for green courses

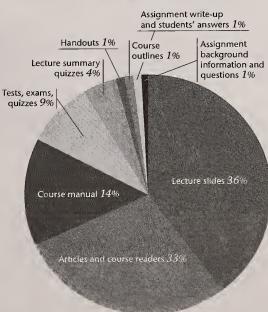
BY ELAH FEDER

Instructors across U of T are taking simple actions that dramatically reduce the environmental impacts of their courses, and now they can be officially recognized for

The sustainability office's new Green Courses program is focusing on paper conservation this year, and for good reason. Each year on St. George campus, an astounding 10 million sheets are used in the printing of course materials - and that's just in first- and secondyear courses.

Fortunately, many instructors are now adopting best practices such as double-sided printing and posting lecture slides with multiple slides per page. Consider this: simply posting a lecture with six slides per page instead of one can of course paper consumption.

cut down associated paper use by more than 80 per cent. Tips and tools for course paper conservation, including instructions for creating multi-slide



Distribution of paper consumption in first- and second-year courses. Data based on ENV299 research by Yi-an Chen. Note: Figure excludes textbooks, another important source PDFs, can be found at **uoft**. me/greencoursetips.

Getting recognized is simple. If you're a TA, instructor or course co-ordinator, visit uoft.

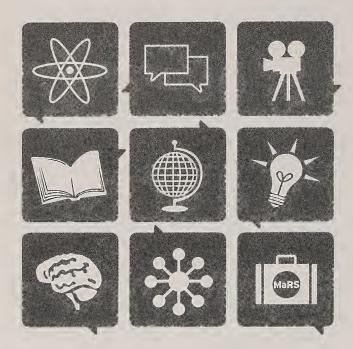
me/greencourses to fill out an assessment for each of your courses. You'll be scored on such items as the use of recycled paper and double-sided copying. If the course scores enough points, the sustainability office will send you a Green Courses logo to display on the course website, as well as a slide to share with students in class.

"We're thrilled with the early promise of our Green Courses certification program," said Beth Savan, director of the sustainability office. "This is a great initiative,

as it takes sustainability clearly into the realm of curriculum, reminding all participants that teaching and learning can be done in ways that create fewer environmental impacts."

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DIRECTOR, JOINT CENTRE FOR BIOETHICS

Applications from a broad range of related disciplines are invited for the position of Director, Joint Centre for Bioethics, Faculty of Medicine, University of Toronto.

The University of Toronto Joint Centre for Bioethics (JCB), formed in 1995, is a partnership between the University of Toronto and 13 affiliated health care organizations. The JCB network partnership is the largest interdisciplinary and interprofessional group of bioethics seholars and practitioners in Canada. The JCB's mission is to "to improve health care through leadership in bioethics research, education, practice, and public engagement." In 2002, the JCB became the first World Health Organization (WHO) Collaborating Centre for Bioethics and subsequently led the creation of the Global Network of WHO Collaborating Centres for Bioethics.

The JCB has educated over 200 students and fellows through its two bioethics graduate programs (the Master of Health Science in Bioethics and the Collaborative Program in Bioethics) and its Academic Fellowship in Clinical and Organizational Ethics. Currently, the JCB has over 275 associated members, 13 health sector partner organizations, and 9 academic units in the Faculties of Medicine, Arts & Science, and Law, and the schools of Nursing, Public Health, and Social Work at the University of Toronto. For more information on the JCB, visit its Web site at http://www.jointcentreforbioethics.ca.

The Director will plan and execute strategies to enable the JCB to sustain and enhance its national and international leadership in bioethics. The Director will lead the strategie partnership among the University of Toronto and its health sector partner organizations to advance and extend the JCB's mission. The successful candidate will be an internationally recognized and proficient scholar who possesses outstanding leadership, administrative and academic management, and communication skills. Shefhe will have a track record of success in implementing innovative strategies to advance bioethics research, education, and knowledge translation in the health sector. Leadership experience in interdisciplinary research and education (including faculty mentorship), managing complex network partnerships, and applied bioethics at a clinical, organizational, and/or health system level are key assets. The successful candidate will have direct budgetary and operational oversight of the JCB's faluciary management. Applicants must be eligible for appointment at Associate or Full Professor level.

Applications, consisting of a letter of interest and CV, may be submitted online (visit www.jobs.utoronto. ca/faculty Job # 1100120) or by sending to:

Prof. Catharine Whiteside, Dean c/o Anastasia Meletopoulos, Academic Affairs Specialist Office of the Dean

Faculty of Medicine, University of Toronto Room 2109, Medical Sciences Building 1 King's College Circle

Tooling 2705, Wednesd Sciences Building
1 King's College Circle
Toronto, Ontario, M5S 1A8, CANADA
F 416 978 1774
anastasia.meletopoulos@utoronto.ca

The closing date for this position is Monday March 7, 2011, or until filled.

The University of Toronto is strongly committed to diversity within its community and especially welcomes applications from visible minority group members, women, Aboriginal persons, persons with disabilities, members of sevara minority groups, and others who may contribute to the truther, members of sevara minority groups, and others who may contribute to the princip diversification of ideas. All qualified candidates are encouraged to apply, however, Canadian and permanent residents will be given priority.

Till and McCulloch honoured

CONTINUED FROM PAGE 1 implications of their work continue to be profound and underpin many breakthroughs."

From the outset, Till and McCulloch set down the rules of their partnership and agreed to alternate authorship of published results. McCulloch described the agreement as "a plan that insured them against

arguments about priority that could well sour their cordial relationship," one that stood the test of time.

Professor Catharine

Whiteside, dean of the Faculty of Medicine, remarked upon their wonderful connection during the Feb. 1 ceremony.

"The example Professors Till and McCulloch set through their professional partnership and personal friendship is an enduring inspiration to the generations of researchers who have followed," she said.

For more than 50 years the bond remained strong between the revered, world-renowned scientists who first put Toronto on the map as the birthplace of stem cell science.

— with files from Elaine Smith

Donnelly donates \$12 million for UTM

CONTINUED FROM PAGE 1 health complex. Donnelly's gift fulfils Fidani's challenge, resulting in a \$22 million contribution to medical education at U of T.

The \$3-million four-storey Terrence Donnelly Health Sciences Complex, scheduled to open this summer, will house the graduate biomedical communications program, research laboratories, classrooms and offices in addition to the Mississauga Academy of Medicine. In the facility, researchers and scientists will work side by side with faculty members who will teach future medical practitioners, creating an environment that will bring theory to life for students.

The Mississauga Academy of Medicine, located within the Terrence Donnelly Health Sciences Complex, will educate 54 undergraduate medical students a year.

The true value in this building

is not the bricks and mortar but the work being done within its walls — the teaching, learning and research," said Donnelly. "I am pleased to be able to support U of T's contributions that will have a direct benefit on the health of all Canadians."

The Mississauga Academy of Medicine is a partnership among the Faculty of Medicine, U of T Mississauga, Trillium Health Centre and Credit Valley Hospital.

Woody Harrelson to direct play at Hart House

CONTINUED FROM PAGE 1 love with Toronto and it continues to be my favourite city in North America," he noted. "It is home to a vibrant theatre scene and sophisticated audiences. I love the town and the people."

Harrelson first made a name for himself on the small screen, playing the dumb but lovable bartender Woody Hayes on the television comedy Cheers. His movie career took off after he appeared in the 1992 film *White Men Can't Jump*. He demon-

strated his acting versatility as a psychopath in Oliver Stone's *Natural Born Killers* and also starred in a number of less than notable films.

Among the acclaimed performances on his resumé are a turn as Dusty, a lasso-swinging cowboy in Robert Altman's A Prairie Home Companion, his portrait of Hustler magazine founder Larry Flynt in The People v. Larry Flynt, the role of a bounty hunter in 2007's No Country for Old Men and his recent work as a damaged soldier in The Messenger.

He received Academy Award nominations for his performances in both Larry Flynt and *The Messenger*.

Harrelson is optimistic that the new production will be well received.

"We debate some important issues, for example, race and gender, in what we hope is a provocative and humorous piece," he said. "We'd like the audience to take this home and continue the conversation. That is what a great night of theatre encourages for me."

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Parental divorce linked to suicidal thoughts

BY JOYANN CALLENDER

Adult children of divorce are more likely to have seriously considered suicide than their peers from intact families, suggests new research from the University of Toronto.

In a paper published online recently in the journal Psychiatry Research, investigators examined gender specific differences among a sample of 6,647 adults, of whom 695 had experienced parental divorce before the age of 18. The study found that men from divorced families had more than three times the odds of suicidal ideation (forming suicidal ideas) in comparison with men whose parents had not divorced. Adult daughters of divorce had 83 per cent higher odds of suicidal ideation than their female peers who had not experienced parental divorce.

The link between divorce and suicidal ideation was particularly strong in families where childhood stressors such as parental addiction, physical abuse and parental unemployment also occurred. For women who had not experienced these adverse childhood experiences, the association between parental divorce and suicidal ideation was no longer significant. However, even in the absence of these childhood stressors, men who had experienced parental divorce had twice the odds of having seriously considered suicide at some point in their lives compared with men from intact families.

"This study suggests that the pathways linking parental divorce to suicidal ideation are different for men and women. The association between parental divorce and suicidal thoughts in men was unexpectedly strong, even when we adjusted for other childhood and adult stressors, socioeconomic status, depression and anxiety," said lead author **Esme Fuller-Thomson**, Sandra Rotman Chair at the Factor-Inwentash Faculty of Social Work and Department of Family and Community Medicine. "Females whose parents had divorced were not particularly vulnerable to suicidal ideation if they were not also exposed to childhood physical abuse and/or parental addictions."

Explanations for why men might be more negatively impacted by parental divorce are varied. However, researchers believe it could be due to the absence of close contact with a father, which may occur post-divorce. Previous studies have linked the loss of father figures with adverse developmental outcomes in boys.

"It may be that the link between parental divorce and suicidal ideation in men is mediated through factors we cannot control for in our analyses, such as childhood poverty or parental depression, both of which are more prevalent in divorced families," said Angela Dalton, master's graduate and co-author of the study.

Fuller-Thomson cautioned that "these findings are not meant to panic divorced parents. Our data in no way suggest that children of divorce are destined to become suicidal."

The researchers noted that the findings need to be confirmed by others before any recommendations can be made. However, if confirmed, they would have significant clinical implications for professionals working with families experiencing parental divorce.

U of T's new iPhone application a team captain's dream



The new TeamChooser iPhone application allows users to pick teams that are evenly matched.

BY APRIL KEMICK

As NHLers Eric Staal and Niklas Lidstrom prepared to pick their all-star teammates recently, a new smart phone application designed for this very purpose was gaining traction around the world.

The TeamChooser application — developed by Professor **Jonathan Rose** of electrical and computer engineering and Paul Eisen, a Toronto-based software designer — is designed to produce teams that are evenly matched. The user enters each player's name plus the numerical effectiveness of his/her ability, and the application calculates fair teams.

Professor Ritu Birla

"Classic methods of choosing teams — throwing hockey sticks onto the ice, drawing straws or having two captains choose players like the NHL is doing with its all-star game - can be a nightmare. Not only do people's feelings get hurt in the process but you also end up with unevenly matched teams and total blow-outs," said Rose. "With the TeamChooser application, all you have to do is enter a number representing each player's skill level and it will choose fair teams for you."

The application — available on the Apple iPhone app store — is picking up steam in recreational sports leagues in Canada and elsewhere. It has sold in Australia, Romania, Britain, Ireland, Norway, Japan and the U.S.

CAZ ZYVATKAUSKAS

"This is a great tool to consult when picking your winter sports teams. Since we've used it in my pickup hockey league, the games have been far more even and everyone has a lot more fun," said

He added that it could have been a handy tool for the NHL all-star captains as they prepared to choose their teams.

"TeamChooser would certainly help ensure a good, fair game for fans to watch," he said.

Family ties inspire prize-winning historian's work

BY ANJUM NAYYAR

Professor Ritu Birla of history believes the mark of good writing lies in communicating in an intimate way and she herself is intimately linked to the history she writes about. Born in Bombay and raised in New York City, Birla was inspired by her grandfather who was involved in politics in India during the years that Nehru was a leader.

"He was a 'Gandhian.' When he was very young he was part of the nationalist movement," said Birla. "In my broader extended family lineage we had a very close friend of Gandhi's and Gandhi was assassinated on the grounds of his home. Family stories gave me some sense of how the big processes of history are inhabited in real lives."

Her recent book, Stages of Capital: Law, Culture and Market Governance in Late Colonial India (Duke University Press 2009, Indian edition Orient Blackswan 2010), won the 2010 Albion Book Prize. The award is given annually by the

North American Conference on British Studies to the best book published anywhere by a North American scholar on any aspect of British studies since 1800. The author must be a citizen or perma-

nent resident of the United States or Canada and be living in either country at the time of the award.

"I'm trained as a South
Asianist. I work on colonialism and capitalism. What's most gratifying is that the award came from a British studies association. I worked really hard to make this a book that spoke to a broad range of audiences and so it's wonderful to be recognized by a multidisciplinary association that's outside my direct geographical area of exper-

Birla "brings research on non-western capitalisms into conversation with post-colonial studies to illuminate the historical roots of India's market society," states the Duke University Press'

description of her work.

"What I'm doing is staging a conversation between post-colonial cultural studies on the one hand and people that are working in political economy and

the history of the economy on the other hand. These are two groups of people that rarely talk to each other."

Birla said in writing her book and other projects she spends a great deal of time preparing mentally, calling it

a "yogic discipline."
"I'm like an old

jalopy. It takes me time to wind up. It requires my going to the St. Lawrence Market and buying lots of nice vegetables and just cooking. Then when I'm wound up I go into a trance and then I just can't talk to anybody."

When asked about her writing style, Birla said, "I would say my writing is very good for the Canadian cold; it's very layered with a lot of intricate embroidery on it. It's like a shawl."

She is the first academic in her family and points to both her parents, who are physicians and researchers, as key influencers in her life as well.

"My mother's family was uprooted during the partition of British India," Birla said, "so the whole question of what a border and what a nation state is, is very much a part of my background and the question of what a nation and economy is, is very much me. I think my writing is very much about me. Any good writing is very much about the writer."

She added that she's always been inspired by strong mentors.

"My mentors were not hands on, but left me alone. They were independent thinkers and reminded me it was important to be an independent thinker."

She instils much of that philosophy in her students.

"I try to challenge my students, who represent a wide range of backgrounds, to exercise critical judgment on standard scripts about identity, culture and history."



A CLASSIC ROMANCE?

BY KELLY RANKIN

What makes a great romance film?
The Internet Movie Database's list of top 50 romance films includes some old favourites — Gone with the Wind (1939) and Casablanca (1942) — and it also mentions six Alfred Hitchcock films: Rebecca (1940), Notorious (1946), Strangers on a Train (1951), Rear Window (1954), Vertigo (1958) and North by Northwest (1959).
Not exactly the titles you'd expect when

"Commonsensically we understand a romance to be a story of a relationship between a man and a woman, basically from first meeting to resolution of the romance," said Professor **Bart Testa** of cinema studies. "After the resolution of romance is marriage, which is a different story."

thinking about romance.

He explained that in classic American cinema, romance is often a component of another story.

For example, *North by Northwest* is a spy story interwoven with a romantic plot. "What happens in the romance has an effect on the adventure and vice versa," Testa said.

One reason for this duality is that, prior to sound cinema, romance was played largely as a comedy of manners where it was more about the pursuit of marriage. Additionally, men and women often went to movies together and studios had to appeal to both audiences at the same time.

In the early 20th century, the concept of movie stardom began to emerge and romance on the big screen came into its

"Romance as a genre wasn't particularly prominent until another factor came in," said Testa. "You don't get the glorification of love until you get the glorification of stars."

With the rise of both stars and consumer society, the way romance is portrayed onscreen changes. It moves from being

defined by social situations and privilege to being defined by the situation in which the characters find themselves, sometimes taking on a sinister or adulterous role.

After *Casablanca*, romance plots appear in unlikely genres such as film noir. "The danger of romance comes back really strong in the 40s," Testa said.

Two such examples are *Double*Indemnity (1944) and The Postman Always
Rings Twice (1946). "In a way, if no one
got killed in these films, they would be
romances," he said. "But the fact is that
the two conspire to murder somebody
because of their romance."

After the classical era in cinema, the period between the 1930s and 1950s, audiences became fragmented and movie marketing was geared more towards particular kinds of audiences.

"The classical cinema has romance as a parallel plot with or without a great intimacy, playing to two audiences. In contemporary cinema that is not very commonly the case. More often you have a solitary male or buddy film or a group of men," said Testa.

Nonetheless, he believes romance will always have an important place in cinema.

"In cinema, even in the most serious cinema, the possibility of romance dying is not in the cards. There is some sense in which that would be a betrayal of [cinema's] depiction of what it is to be human."



Marriage not always about romance

BY ANJUM NAYYAR

"Love and marriage, go together like the horse and carriage."

When Sinatra sang those lyrics he said "you can't have one without the other," but **Elizabeth Abbott**, renowned historian and senior research associate at Trinity College, would argue otherwise.

Abbott, whose recent book A History of Marriage was nominated for the Governor-General's Literary Award for Non-Fiction, says love wasn't the predominant force behind marriages historically, something that began to change only towards the end of the 18th century.



"Marriage was always the organizing principle of society. Families married off their offspring to further the family interest. It wasn't about happiness. People married understanding what their obligations and duties were. For women and some men too it could be quite onerous. Women who did not marry were the charge of their fathers. They became a financial burden."

She said marriages were arranged and few were very happy. In a previous book, *A History of Mistresses*, Abbott looked at mistresses throughout history and found that the institution of mistressdom went hand in hand with that of "monogamous" marriage.

"Mistresses and concubines have been around since marriage has. Their existence was a way of institutionalizing the double standard that permitted men to have extramarital sexual relations but did not allow women the same privilege," she said. "There was always a lot of cheating. It was more dangerous for a woman to cheat because of the consequences of getting pregnant by somebody else. Yet we do know that many women did cheat. So I think that marriages today are not *more* susceptible to cheating, they are just *as* susceptible."

While many people may say women

are choosing to get married later in life, Abbott added that reflecting on the history of women in marriages, there are different reasons to enter marriage.

"The egalitarianism of our day enables women to get an education and study whatever they want. They're not confined to non-science subjects; let's not forget that not so long ago, math was thought to make women's heads get so hot they'd go mad. Women

"Because there's so much

more equality now you don't

that is endemic in relationships

in which the balance of power

Elizabeth Abbott

have the great unhappiness

is skewed."

can get jobs in whatever fields they want," she

"Of course women are still the ones to have children but they don't have to have as many. Birth control was a huge advance for them because they control the number of their pregnan-

cies. Because there's so much more equality now you don't have the great unhappiness that is endemic in relationships in which the balance of power is skewed. There isn't a rush to get married anymore. The main rush comes from the ever-ticking biological clock."

Abbott stated that the notion that singlehood is a phenomenon of modern day society is incorrect. She argues there were many women and men in the 18th and 19th centuries who did not marry for

various reasons. Some were financially unable to marry as their dowries were too little or they were deemed ugly. In the case of men in societies with primogeniture, all but the first born could expect meagre or no inheritance at all, so they couldn't provide for themselves, let alone a wife. Sometimes women chose to remain single. This was the case in late 19th- and early 20th-century Chicago where six

"Eleanor Clubs" provided cheap, safe and comfortable housing for thousands of single white women, enabling them to pursue careers in business and such professions as teaching.

"The Eleanor Clubs enabled ambitious single women to come to the city to train for a career and to

work while lodging in safe and lovely mansions," Abbott said. "Their meals were cooked and they lived in single bedrooms and enjoyed the company of compatible 'Eleanors'. This type of lifestyle lasted for decades."

So on this Valentine's Day if you're tempted to romanticize about love and marriage in the past, don't. You just might be surprised to learn that our ancestors were not morally superior to us but rather were quite the same.



Can't buy me love?

BY KELLY RANKIN

Would there even be a Valentine's Day without marketing and advertising?

Andrij Brygidyr, an adjunct professor at the Rotman School of Management and president of A&A Merchandising Ltd., thinks so.

"There really are a lot of romantic people out there who don't really need the holiday," he said. "But clearly business always takes an opportunity to make money."

After Christmas, Valentine's Day cards are the most popular seasonal greeting-card purchase and the holiday ranks third after Christmas and Halloween in marketing and advertising expenditures.

From a business perspective, if Valentine's Day were no longer celebrated, retailers would lose a major revenue stream. "It's in their best interest to propagate Valentine's," said Brygidyr.

But, if revenue is so important, then why does Valentine's Day advertising rely on a heterosexual bias and risk alienating same sex couples?

Brygidyr thinks there could be many reasons for the bias; for example, a prolonged conservative attitude, he said, or perhaps sexual minorities do not offer the economy of scale to warrant the advertising dollars. "It may very well be a missed opportunity."

Professor **David Rayside** of political science, who also teaches in the sexual diversity studies program, agreed there is a huge heterosexual bias in Valentine's Day advertising. "It's a kind of pathetic reminder of romantic connection to heterosexual couples and it's overwhelmingly heterosexualized," he said.

Rayside also agreed that part of the reason for the bias could be centred on conservative attitudes and explained that whenever conversations turn to topics about sexual minorities everyone assumes the focus of the conversation will be sex itself. "They think that's what we're about to talk about if we're about to talk about homosexuality," said Rayside.

For a variety of reasons, some people are still embarrassed to talk about sex and sexual difference. The idea that what people do in their own bedrooms



Ukulele class lets lovers strum their own love songs



Instructor Thomas Dean teaches student Nataliya Li how to tune her ukulele.

BY ANJUM NAYYAR

William Macey did it on Oprah and Ryan Gosling does it in his recent movie *Blue Valentine*. It seems everyone is strumming a uke these days as the ukulele makes its comeback in the wake of a popularity surge in Hawaii and New Zealand.

The ukulele — a small guitar-like instrument with four strings — is popular mainly because it is easy to play and anyone can produce a tune just by learning three chords. It's also popular among U of T students who are taking The Lover's Ukulele class at Hart House in order to create their own love songs in time for Valentine's Day.

"We had seen stories here and there talking about how the ukulele was making a comeback and was particularly popular with younger people," said **Rick Palidwor**, manager of creative classes at Hart House. We had been talking about introducing music classes into our creative classes, as we call them [arts and personal empowerment offerings], so it seemed like an obvious thing to try."

In this three-session course professional ukulele player **Thomas Dean**

opens doors to the personal "songs of love" and helps participants channel their inner talent as songwriting performers. Participants learn how to play the ukulele well enough to compose and perform their own songs.

"The first part is to get students accustomed to the ukulele and learn how to tune them," said Dean. "We learned how to play four or five song progressions. I ask them to explore a couple of different kinds of chords to string together. After that we learn how to find the kind of words they want to use. Almost any two chords can work together."

Dean is a classically trained pianist and multi-instrumentalist who has been performing for 30 years. Since the late 90s he has specialized in "spontaneous melodic music." He helps people discover the power of expressing themselves musically using the nonintimidating yet exhilarating ukulele, with his enthusiasm and accelerated learning approach to the instrument as guides.

Dean said Valentine's Day is a great time to pick up this kind of class.

"I happen to enjoy the concept of love songs, especially around Valentine's Day," he said. "People love it when you sing a song to them, especially when it's dedicated just to them. When somebody gives you a song with your name in it, it's yours."

Stage-ready ukuleles are provided during each session or participants can bring their own.

"It was never quite as sexy as the saxophone but when rock n' roll took its toll, Arthur Godfrey and Eric Clapton really helped its popularity," said Dean. "Every song that George Harrison ever composed for the Beatles, he first composed on the ukulele."

Dean added that ukuleles are universal in their appeal.

"Now they're made like very fine instruments and are every bit as sophisticated as a guitar. Anything you can play on a guitar you can play on the ukulele. They're small and light and so they're not embarrassing to carry around either."

Hart House is also offering two classes starting later in the term: Introduction to the Magic of the Ukulele and The Anti-stress Ukulele. Both begin March 26 and run for three weeks. Visit www.harthouse.ca/classes for details.

is a private matter is one that still lingers, and because it is assumed that same sex relationships are based on sex, they too should remain private.

Conversely, when conversations turn to heterosexual couples the assumption is that these relationships are based on romance, and not just sex, and can be talked about and celebrated openly.

However, in spite of the heterosexual bias, it appears that same sex couples are as likely to celebrate Valentine's Day as heterosexual couples.

"My guess is there wouldn't be any significant difference in the proportion of same sex couples who would do stuff around Valentine's Day as straight couples," said Rayside. "It's become a huge commercial venture, and, as with

other holidays, people are encouraged to spend money."

Rayside also suggested that a glance at a rack of Valentine's Day cards will tell a slightly different story. "I would guess that there is less of the typical card display in Canada that assumes that husbands and wives are sending these cards to each other," he said.

A quick look at Hallmark Canada's website indicates Rayside might be on to something.

Rather than offending anyone who wants to celebrate Valentine's Day, Hallmark is promoting cards that don't refer to gender at all. "Celebrate the love you share with a significant other or a partner in crime," reads one sales pitch. It leaves the door open for other kinds

of couples, including same sex couples, casual sex couples and men and women who live common-law, to celebrate — and spend — on Valentine's Day.



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Volunteer promotes arts for all

BY ANJUM NAYYAR

Sitting behind a desk in the Department of Orthodontics is a woman who, in her spare time, is a driving force in increasing the profile of local Canadian artists.

"I am very interested in trying to improve the professionalism and the profile of artists in Ontario," said Diana Tucker. "Art is a tough sell in Canada for the exhibiting artist - amateur and pro alike, who may produce beautiful work. The idea is to promote Canadian art and try to get the public to see and appreciate different forms of art, as well as to teach artists how to represent themselves — for example, how to mount an exhibition."

As a past president of the Ontario Society of Artists (OSA) and present board member of the South Simcoe Arts Council, Tucker said all of her volunteer work aims to support, promote and create opportunities for the arts in Ontario.

Tucker's experience as a curator has helped to foster and promote the visual arts through exhibitions, publications and arts advocacy. As a director of the New Tecumseth and Area Arts Council (now renamed the South Simcoe Arts Council), Tucker curated the first juried art exhibition at the Gibson Centre in Alliston in 2007. In 2009, as vice-president of the OSA, Tucker curated



Diana Tucker's photography is shot in black and white and hand coloured.

the Ontario Society of Artist's Summer exhibitions 2009, the launch of an OSA galleries partnership to celebrate the association's contribution to the world of art in Canada for 137 years. The exhibitions helped extend the OSA's reach into smaller Ontario communities.

She is an award-winning artist who specializes in black and white photography, shot with an old-style camera and printed to museum standards. Her pieces include landscapes, black and white still life, impressionistic works and wildlife, hand coloured with various media. Tucker's photography is collected internationally and has been featured in publications including Applied Arts Magazine and The Globe and Mail. Her work is part of the collection of the Archives of Ontario.

She is also a past student of Ed Burtynsky and studied at the Rochester Institute of Technology. In 1999, she was the first photographer to become an elected member of the Society of Canadian Artists. She also worked as a theatre photographer for 10 years.

Tucker said her volunteer work keeps her driven and she recommends volunteering to anyone interested in pursuing

"As a volunteer you don't do it unless you love it. I love doing art and music and I love to help other people grow and develop that way, and you're not paid for it so you don't have to do it. That's a very freeing experience just giving for the sake of giving. It's very satisfying."

Tucker's arts and curation background also comes into play on the job. She is the Faculty of Dentistry's curator for the Burlington Growth Centre, the centre housing a collection of longitudinal growth

> radiographs and photographs, one of the most significant databases for craniofacial growth in the world.

Tucker said her drive for creativity is the one source of energy that keeps her going.

"When I was a baby, I sang in the cradle. I never cried. When I could sit on the piano seat, I was playing four hours a day, so finally, my mother said, Okay, okay, I will pay for piano les-

sons. I guess what I am trying to say is: lam driven. If lam not photographing, painting, playing the piano, I am one unhappy person. Ideas are always flowing and I cannot wait to turn them into visual impressions. Expression is a form of release for me and I love it too when others enjoy what I create. It is really fun!"

BOOKS

The following are books by U of T faculty and staff. Where there is multiple authorship or editorship, staff are indicated with an asterisk.

An Anthology of Canadian Literature in English, by Donna Bennett and Russell M. Brown (Oxford University Press; 1,264 pages; \$75). This third edition traces the evolution of English Canadian writing through a wide range of short fiction, poems and selections from settler and exploration journals to form a portrait of Canadian literature from the 18th century to the present. It showcases the work of established figures such as Alice Munro, Margaret Atwood and Michael Ondaatje while also introducing important new writers including Ken Babstock, Eden Robinson and Madeleine Thien.

Researching the School Economy, edited by Laurie Mook, Jack Quarter and Sherida Ryan (U of T Press; 320 pages; \$65). The contributions to this volume analyze how the social economy in its many manifestations interacts with and shares commonalities with organizations in the other sectors of the economy. Taken as a whole, the book enriches our understanding of how this important cluster of organizations contributes to Canadian society in both economic and social terms and lays the groundwork for future study.

Effective Medical Leadership, by Bryce Taylor (Rotman Publishing; 240 pages; \$36.95). The modern hospital represents a complex community in which life and death decisions are made on the front lines of patient care and difficult operational and strategic initiatives are developed in the offices of institutional leaders. This book describes the unusual position of a medical leader in an organization often administered by nonmedical managers. Through extensive examples the book illuminates the principles of leadership, focusing on the challenges, the solutions and the daily life of the head of a division, department or program.

The Making of the Mosaic: A History of Canadian Immigration Policy, by Ninette Kelley and Michael Trebilcock* (U of T Press; 672 pages; \$39.95). Immigration policy is a subject of intense political and public debate. In this second edition the authors have thoroughly revised and updated their examination of the ideas, interests, institutions and rhetoric that have shaped Canadian immigration



history. New chapters provide perspective on immigration in a post-9/11 world where security concerns and a demand for temporary foreign workers play a defining role in immigration policy reform.

The Defining Decade:

Identity, Politics and the Canadian Jewish Community in the 1960s, by Harold Troper (U of T Press; 384 pages; \$75 cloth, \$35 paper). The 1960s witnessed a radical transformation in the Canadian Jewish community. The erosion of longstanding barriers of anti-Semitism resulted in increased access to the economic, political and social Canadian mainstream. Arguing paradoxically that even as Canada became more accepting, Canadian Jews became more focused on Jewish identity, this book examines how the 1960s

redefined what it meant to be a Canadian Jew and a Jewish

Canadian.

Whole Child Education, by John P. Miller (U of T Press; 144 pages; \$55 cloth, 22.95 paper). Addressing issues of teaching, curriculum, the school and teacher wellness, this book presents three basic approaches (transmission, transaction and transformation) that facilitate a connection with the whole student. Practical examples from teachers who have incorporated these ideas into their own classrooms and a description of Toronto's Whole Child School (founded in 2009) illustrate how the "Whole Curriculum" can be implemented on both the small and large scale.

Einstein Wrote Back, by John W. Moffat (Thomas Allen Publishers; 240 pages; \$34.95 US). This book is an entertaining memoir about the peculiar and competitive world of modern physics. John Moffat was a poor student of math and science. That is, until he read Einstein's famous paper on general relativity. Realizing instantly that he had an unusual and unexplained aptitude for understanding the complex physics described in the paper, Moffat wrote a letter to Einstein that would change the course of his life. Einstein replied and they exchanged a series of letters in which they

discussed the theory of general relativity. This book tells the story of Moffat's unusual entry into the world of academia and documents his career at the frontlines of 20th-century physics.

On Freedom, Love and Power, by Jacques Ellul, compiled, edited and translated by Willem H. Vanderburg (U of T Press; 240 pages; \$55 cloth, \$24.95 paper). Jacques Ellul (1912-1994) was a French law professor, sociologist, lay theologian and Christian anarchist. During the Second World War, he was active in the French resistance; his efforts to save Jews during this time eventually earned him the title Righteous Among the Nations. A towering intellectual figure, he wrote and published extensively and engaged throughout his career in a dialogue between the realities of technology and contemporary life. Translated here for the first time, this series of talks refines and clarifies some of his most controversial insights into what it means to understand and live out God's wishes.

Artistry Unleashed: A Guide to Pursuing Great Performance in Work and Life, by Hilary Austen (U of T Press; 232 pages; \$35). This book is about working and living at the edge of what you know and beyond. Surprise, uncertainty, ambiguity, intensity and change are all disruptive forces that we often avoid or fear. Yet they are the essential origin of both creativity and great performance. Using a model refined by more than two decades of experience in the business, education and art worlds, this book shows businesspeople, educators and professionals across disciplines how they can deliberately develop artistic capability in their chosen fields.

Sacred and Profane in Chaucer and Late **Medieval Literature: Essays in Honour of John** V. Fleming, edited by Robert Epstein and William Robins* (U of T Press; 256 pages; \$60). Literary depictions of the sacred and the secular from the Middle Ages are representative of the era's widely held cultural understandings related to religion and the nature of lived experience. Using late medieval English literature, including some of Chaucer's writings, these essays do not try to define a secular realm distinct and separate from the divine or religious but instead analyze intersections of the sacred and the profane.

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Psychotherapy for personal and relationship issues. Individual, group and couple therapy. U of T extended health plan provides coverage. For a consultation call Dr. Heather A. White, Psychologist, 416-535-9432, 140 Albany Avenue (Bathurst/Bloor). drhwhite@rogers.com

Evelyn Sommers, PhD, Psychologist, provides psychotherapy and counselling for individuals and couples from age 17. Covered under U of T benefits. Yonge/Bloor. Visit www.ekslibris.ca; call 416-413-1098.

Individual psychotherapy for adults. Evening hours available. Extended benefits coverage for U of T staff. Dr. Paula Gardner, Registered Psychologist, 114 Maitland St. (Wellesley and Jarvis). 416-570-2957.

Psychoanalysis & psychoanalytic psychotherapy for adolescents, adults, couples. U of T extended health benefits provide coverage. Dr. Klaus Wiedermann, Registered Psychologist, 1033 Bay St., ste. 204, tel: 416-962-6671.

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7 Hart House Circle



LECTURES

Truth, Errors and Lies: Politics and Economics in a Volatile World. Wednesday, February 9

Prof. Grzegorz Kolodko, Kozminski University, Warsaw. George Ignatieff Theatre, 15 Devonshire Place. 5:30 to 7:30 p.m. European, Russian & Eurasian Studies

Hermann Levin Goldschmidt and the Legacy of German-Jewish Humanism.

Thursday, February 10
Professor Paul Mendes-Flohr,
University of Chicago. 208N Munk
School of Global Affairs. 4 to 6 p.m.
Joint Initiative in German & European
Studies, German Languages &
Literatures, Philosophy, Jewish Studies,
European, Russian & Eurasian Studies

The Hardest Math I've Ever Really Used. Sunday, February 13

Prof. Dror Bar-Natan, mathematics. Auditorium, Medical Sciences Building. 3 p.m. *Royal Canadian Institute*

Justice, Justice, Shalt Thou Pursue: The International Criminal Court and the Return of Universal Law. Monday, February 14 and Tuesday, February 15

and luesday, February 15

Erna Paris, prize-winning Canadian author; Larkin-Stuart two-part lecture.

George Ignatieff Theatre, 15 Devonshire Place. 8 p.m. Trinity College and St. Thomas's Anglican Church

Computational Models of Common Sense Theories: What People Know About the World and How They Know It.

Tuesday, February 15
Prof. Josh Tenenbaum, Massachusetts
Institute of Technology. 1180 Bahen
Centre for Information Technology.
11 a.m. Computer Science

Engineered Biosynthesis of Blockbuster Drugs. Wednesday, February 16 Prof. Yi Tang, University of California,

Prof. Yi Tang, University of California, Los Angeles; Lectures at the Leading Edge series. 116 Wallberg Building. 12:30 p.m. *Chemical Engineering & Applied Chemistry*

Frameworks. Wednesday, February 16

Stanley Saitowitz, Natoma Architects, Inc. San Francisco. Room 103, 230 College St. 6:30 p.m. John H. Daniels Faculty of Architecture, Landscape & Design

A Ceremony Against Witchcraft: Mesopotamian Magic in Action. Wednesday, February 16

Prof. Tzvi Abusch, Brandeis University. B142 Earth Sciences Centre. 8 p.m. Canadian Society for Mesopotamian Studies

Don't Stop Thinking About Yesterday: An Experiment With Conflict Narratives in the Caucasus. Friday, February 18

Prof. Scott Radnitz, University of Washington. 208N Munk School of Global Studies. Noon to 2 p.m. European, Russian & Eurasian Studies

What Can the Arts Do for Mathematics? Sunday, February 20

Prof. Piergiorgio Odifreddi, University of Turin, Italy. Auditorium, Medical Sciences Building. 3 p.m. *Royal* Canadian Institute

Temples, Tablets and Assyrian Imperialism at Tell Tayinat on the Plain of Antioch. Wednesday, February 23

Prof. Timothy Harrison, Near and Middle Eastern civilizations. 1190 Bahen Centre for Information Technology. 5:15 p.m. Archaeological Institute of America, Toronto Society

COLLOQUIA

Informed Consent: How Do You Know? Friday, February 11

Michelle Nash, St. Michael's Hospital; brown bag research ethics discussion. T321, 33 Russell St. Noon to 1 p.m. Addiction & Mental Health

Biological Information as Game-Theoretic Information. Wednesday, February 16

Prof. James Justus, Florida State University. 323 Old Victoria College Building. 4 to 5:30 p.m. *History & Philosophy of Science & Technology*

Cultural Strengths and Resiliency Among Recent Refugees: Ethical Implications.

Wednesday, February 23
Laura Simich, Centre for Addiction &
Mental Health; brown bag research
ethics discussion. Room ELCLC (2022),
33 Russell St. Noon to 1 p.m. Addiction
& Mental Health

SEMINARS

Utility of a Response Tree in Scales Assessing Self-Reported Symptom Intensity: Comparison of Older and Younger In-Patient Responses.

Thursday, February 10
Prof. Mary Fox, York University. Ste.
106, 222 College St. Noon to 1:30 p.m.
Life Course & Aging

American Dreamers and Global Cigarettes: Seeing the Corporation as an Art Form.

Thursday, February 10
Prof. Nan Enstad, University of
Wisconsin-Madison. 208N Munk School
of Global Affairs. 2 to 4 p.m. Study of the
United States

The Constitutional Politics of Abortion.

Thursday, February 10
Prof. Ian Shapiro, Yale University.
Flavelle House, 78 Queen's Park Cres.
4:10 to 6 p.m. Political Science and
Study of the United States

Regional Governance Reform in Ukraine: Strengthening or Undermining the National Sovereignty. Friday, February 11

Prof. Roman Kalytchak, Lviv Ivan Franko National University. 208N Munk School of Global Affairs. Noon to 1:30 p.m. Registration: http://webapp.mcis. utoronto.ca/Events.aspx. European, Russian & Eurasian Studies and Petro Jacyk Program for the Study of Ukraine

Muller Glia Function as Retinal Stem Cells in Zebrafish. Friday, February 11

Prof. Pameia Raymond, University of Michigan. 432 Ramsay Wright Building. 2 p.m. *Cell & Systems Biology*

Swinging on the Scale: The Life of a Scientific Image in Early Modern Europe. Friday, February 11

Lucia Dacome, Institute for the History & Philosophy of Science & Technology. 205 Northrop Frye Hall, Victoria University. 3:30 p.m. Reformation & Renaissance Studies

Protocols of Liberty: Committees, Declarations, Networks and the American Revolution. Friday, February 11

Prof. William Warner, University of California, Santa Barbara. 208N Munk School of Global Affairs. 4 to 6 p.m. Study of the United States

Russia and the Great Wine Blight. Friday, February 11

Prof. Stephen Bittner, Sonoma State University. 108N Munk School of Global Affairs. 4 to 6 p.m. Registration: http:// webapp.mcis.utoronto.ca/Events.aspx. European, Russian & Eurasian Studies

The Strange Death of the Holy Roman Empire.

Friday, February 11
Prof. Helmut Walser Smith, Vanderbilt
University. 2098 Sidney Smith Hall.
5 p.m. European, Russian & Eurasian
Studies and Joint Initiative in German &
European Studies

Woodrow Wilson: A Session With John Milton Cooper. Monday, February 14

Prof. Em. John Milton Cooper, University of Wisconsin-Madison, preeminent biographer of the U.S.'s 28th president. 108N Munk School of Global Affairs. 2 to 4 p.m. Study of the United States

The Discourse of the Muslim Other in Early Yiddish Epic. Monday, February 14

Prof. Jerold Frakes, State University of New York, Buffalo. 108N Munk School of Global Affairs. 4 to 6 p.m. Registration: http://webapp.mcise.uronto.ca/Events.aspx. European, Russian & Eurasian Studies, Joint Initiative in German & European Studies and German Languages & Literatures

Returning the Gaze: Ethical-Methodological Approaches in the Study With Persons With Intellectual Disabilities. Tuesday, February 15

Profs. Ann Fudge Schormans, McMaster University, and Adrienne Chambon, Factor-Inwentash Faculty of Social Work. 208 Health Sciences Building. Noon to 1:30 p.m. *Critical* Qualitative Health Research

Marranos and Nicodemites in 16th-Century Venice. Tuesday, February 15

Prof. John Martin, Duke University.
112 Old Victoria College Building. 4 p.m.
Reformation & Renaissance Studies

Developing Animals: Wildlife and Early American Photography. *Tuesday, February 15*

Matthew Brower, U of T Art Centre. 140 University College. 4:30 to 6 p.m. Study of the United States and U of T Art Centre

Exploring Girl-Focused Global Corporate Social Engagement Programs in Health and Physical Activity.

Wednesday, February 16
John Paul Catungal, doctoral fellow, comparative program on health and society. 208N Munk School of Global Affairs. 10 a.m. to noon. Registration: www.utorento.ca/cphs/. Comparative Program on Health & Society

Co-ordination of Nutrient Metabolism Through the Hexosamine Biosynthetic Pathway.

Wednesday, February 16 Prof. Kathryn Wellen, University of

Prof. Kathryn Wellen, University of Pennsylvania. 3rd floor, 60 Murray St., Mt. Sinai Hospital. Noon. Samuel Lunenfeld Research Institute

Stroke-Related Slowing of Balance Reactions: Understanding Mechanisms and Developing Treatments.

Wednesday, February 16
Albert Vette, Toronto Rehabilitation
Institute, speaker; Prof. Brian Maki,
neuroscience program, discussant;
Vicky Young, rehabilitation science,
moderator. 412 Health Sciences
Building. 3 p.m. Health, Technology &
Place

Public Apathy, Funded Denials and Political Cowardice: What's a Climate Activist to Do? Wednesday, February 16 Lauryn Drainie, Climate Action Network Canada. Faculty Club. 4:10 p.m. Environment

The Confessions of Michel de Montaigne. Thursday, February 17 Prof. John Martin, Duke University. 112 Old Victoria College Building.4 p.m.

Reformation & Renaissance Studies

Human Biomonitoring of Environmental Chemicals: Result From Canadian Health Measures Survey.

Thursday, February 17

Doug Haines, Chemicals Surveillance Bureau, Health Canada. 208 Rosebrugh Building. 4:10 p.m. *Environment*

Aging, Creativity and Faith: The Late Musical Works of Olivier Messiaen.

Thursday, February 24

Profs. Linda Hutcheon, English, and Michael Hutcheon, medicine. Ste. 106, 222 College St. Noon to 1:30 p.m. *Life* Course & Aging

MUSIC

FACULTY OF MUSIC EDWARD JOHNSON BUILDING World of Music

Wednesday, February 9 Student composers concert. Walter Hall. 7:30 p.m.

Jazz Concerts. Thursdays, February 10 and February 17

Small jazz ensembles: graduate ensembles. Walter Hall. 7:30 p.m.

Wind Symphony. Friday, February 11

Jeffrey Reynolds, conductor. MacMillan Theatre. 7:30 p.m. Tickets \$15, students and seniors \$10.

Wind Ensemble. Saturday, February 12

Gillian MacKay, conductor. MacMillan Theatre. 7:30 p.m. Tickets \$15, students and seniors \$10.

Choirs in Concert Sunday, February 13

University Women's Chorus celebrates music for women by women composers and poets; Hilary Apfelstadt, conductor. Walter Hall. 2:30 p.m. Tickets \$15, students and seniors \$10.

Discovery Series. Tuesday, February 15

Young artists in recital: Claire de Sévigné, soprano; Julia Barber, mezzo; Andrew Haji, tenor; Geoffrey Sirett, baritone; Stephen Ralls, piano. Walter Hall. 7:30 p.m. Tickets \$18, students and seniors \$12.

U of T Concert Orchestra. Wednesday, February 16 Conducted by graduate student

conductors. Walter Hall. 7:30 p.m.

Thursdays at Noon. Thursday, February 17

A preview of the opera division's production of *Don Giovanni*, with excerpts performed by members of the cast. Walter Hall. 12:10 p.m.

EXHIBITIONS

DORIS McCARTHY GALLERY U OF T SCARBOROUGH inbetween.

To February 20

Several artists examine the conversations of physical and

psychological space, investigating the places and spaces in which lives are played out. Gallery hours: Wednesday to Friday, 10 a.m. to 4 p.m.; Saturday, noon to 5 p.m.

BLACKWOOD GALLERY U OF T MISSISSAUGA Following Following Piece To March 6

Thérèse Mastroiacovo: Arranged According to the Numbers; curated by Christof Migone. Gallery hours: Monday to Friday, noon to 5 p.m.; Wednesday to 9 p.m.; Saturday and Sunday, noon to 3 p.m.

U OF T ART CENTRE UNIVERSITY COLLEGE To March 19

The University College Collection: Great Art for a Great University. Created largely through the generosity of donors over many generations, the University College collection comprises some 500 works of art, ranging in date from the earliest years of the college to the present.

North Korean Images at Utopia's Edge.

The exhibition spans three decades and features 24 wood block prints from the Nicholas Bonner Collection, offering a fascinating picture of North Korean conceptions of daily life and work, family and "Fatherland." Hours: Tuesday to Friday, noon to 5 p.m.; Saturday, noon to 4 p.m.

THOMAS FISHER RARE BOOK LIBRARY

'Great and Manifold': A Celebration of the Bible in English. To June 3

Commemorating the 400th anniversary of the first printing of the King James Bible, this exhibition offers a selection of rare manuscripts and books that trace the evolution of the English Bible from the Middle Ages to current times; curated by Pearce Carefoote. Hours: Monday to Wednesday and Friday, 9 a.m. to 5 p.m.; Thursday 9 a.m. to 8 p.m.



MISCELLANY

Art to the Beat. Thursday, February 10

The Art Connection Group is pleased to present a night of art and jazz. View an eclectic collection of recent art works from 12 studio artists from the Women's Art Association of Canada in the main lounge and pub while enjoying the music of Elliot Fardad, Ben Hognestad and Jeff Deegan, a jazz group from the Faculty of Music. Faculty Club. 6 to 9 p.m.

COMMITTEES

DEPARTMENT OF FRENCH

An external review committee has been established to review the Department of French and its undergraduate and tri-campus graduate programs Nov. 9 and 10. Members are: Professors Richard Hodgson, Department of French, University of British Columbia; Dominic Thomas, Department of French & Francophone Studies, University of California, Los Angeles; and Douglas Walker, Department of French, Italian & Spanish, University of Calgary.

The committee would be pleased to receive comments from interested persons. These should be submitted to Professor Meric Gertler, dean, Faculty of Arts & Science, Room 2005, Sidney Smith Hall.

CHAIR, DEPARTMENT OF NEAR AND MIDDLE EASTERN CIVILIZATIONS

A search committee has been established in the Faculty of Arts & Science to recommend a chair of the Department of Near & Middle Eastern Civilizations. Members are: Professors Meric Gertler, dean, Faculty of Arts & Science (chair); Paul-Alain Beaulieu, Robert Holmstedt and Ronald Leprohon, Near and Middle Eastern civilizations; Brian Corman, dean, School of Graduate Studies; John Magee, director, Centre for Medieval Studies; Sarianna Metson, Near and Middle Eastern civilizations and historical studies, UTM; and Stephen Rupp, vice-dean, (faculty and academic life); and Abdel-Khalig Ali, Near and Middle Eastern civilizations; Kristen McCannon, undergraduate student, and Nermeen Mouftah, graduate student, Near and Middle Eastern civilizations; and Maria Leonor Vivona, business officer, Near and Middle

Eastern civilizations.

The committee would welcome nominations and/or comments from interested members of the university community. These should be submitted to Professor Meric Gertler, dean, Faculty of Arts & Science, Room 2005, Sidney Smith Hall; email officeofthedean.artsci@utoronto.ca by Feb. 11.

Working for peace, one student at a time

By David Dunne and Carol-Ann Courneya

Few countries are as rugged, as beautiful or as tragic as Nepal: the highest country in the world, it is also one of the poorest and continues to be unstable in the aftermath of a brutal civil war. Against overwhelming odds, a medical school is training young doctors to reduce the inequities that lead to conflict. By admitting students from poor rural areas and educating them in medicine, the school plans to improve health care where it is most needed.

In Nepal, as in many countries, graduating doctors are reluctant to practise outside cities. On a recent visit to a remote area of Nepal, we had a glimpse of why this is so. The doctor, a recent Nepali medical graduate in his 20s, had little clinical experience and only the most rudimentary of equipment: he could conduct no X-rays or diagnostic tests and had no access to more senior colleagues to advise him. While we talked to him, a young man was brought to the clinic having shattered his patella playing soccer; the doctor could do nothing for him. He watched sadly as the young man was sent off by jeep to the nearest hospital, about a day's drive away on a rough mountain road. Needless to say, our young doctor felt alone, isolated and helpless and intended to return to the city as soon as his six-month contractual term was completed.

As a result of the shortage of rural doctors, the health of rural populations in Nepal lags far behind that of their urban counterparts. In some remote areas, average life expectancy is as low as 38 years and one doctor can be responsible for as many as 150,000 patients. Desperate people may take desperate measures and inequities such as these were fertile breeding ground for the emergence of a violent conflict that lasted 10 years and took 14,000 lives.

The medical school, Patan Academy of Health Sciences (PAHS), was founded by Nepali doctors with a simple, powerful vision: that medical education could help build peace. Because the origins of Nepal's conflict lay in injustice and inequity, PAHS seeks to redress the imbalance by training doctors to serve the poor and disadvantaged. It does so by tackling a problem that plagues health care around the world: providing medical services to rural areas that desperately need it.

The unique PAHS model of medical education rests on five pillars: student recruitment, curriculum, community exposure, role modelling and collaboration. PAHS students are recruited to represent the disadvantaged in Nepali society. Preference is given to those

from rural and remote areas, to women and to those from the low-caste Dalit, Adhivasi/Janajati and Madhesi groups. This approach both helps reduce the disparity in opportunities and encourages diverse groups to work together. Moreover, experience around the world has shown that students from rural areas are more likely to return to practise in rural areas as they have family connections there and are accustomed to the demands of rural life.

One such student is Ishwori (not her real name). Before she came to

Kathmandu to study medicine at the Patan Academy of Health Sciences, she lived in a rural village that, like many, was ravaged by war. Both government troops and the Maoist opposition committed atrocities and terrorized villagers; Ishwori's own cousin was a victim of the conflict. Roads were bombed and

scenarios involve rural communities.

From the beginning, PAHS students visit rural communities and these visits are sustained and extended in duration as they progress through the program. They learn to work across language and educational barriers and to understand the real health problems villagers deal with. In many villages, for example, there are deeply held beliefs in shamanism and students must learn to work constructively with these beliefs.

PAHS' school culture is built around service. From the beginning, faculty



A village hospital in Nepal.



PAHS studets take oath of service.

villagers could not leave their homes for fear of capture or death.

The curriculum at PAHS, while comprehensive, emphasizes the issues most commonly faced by rural communities, such as infections and respiratory ailments. Teaching methods include problem-based learning, a case-based method that confronts students with real-world challenges they are likely to encounter. In the case of PAHS the

model social responsibility and service to the community. The school is linked with Patan Hospital, an institution with a long tradition of serving the disadvantaged, where fees from richer patients subsidize treatment for the poor. Ultimately PAHS students will graduate and serve for two to four years in a rural community. PAHS was

brought into being in collaboration with rural communities and was established by act of the Nepali parliament in 2007. Village councils are regularly consulted and there is a special collaborative scholarship for which a village can nominate a PAHS student. The government of Nepal and the Nepal Medical Council have had a strong hand in the development of PAHS: the ceremonial position of chancellor

is reserved for the prime minister of Nepal.

When PAHS opened its doors to its first applicants in May 2010, the response was overwhelming, with more than 2,200 applicants competing for 60 places. Those who were admitted were proficient in English (which is the language of instruction) and came from a wide range of ethnic, geographic and educational backgrounds.

During the first six months of the program students are brought to a common standard of competency in basic science and introduced to conditions in rural areas and urban slums; the stories they tell of such visits are profoundly moving and often shocking, of bodies being cremated in slums on piles of car tires for want of a ceremonial place for cremation and of women giving birth on mud floors in rural villages.

The vision of PAHS' Nepali founders is nothing if not ambitious. Against obstacles that would give pause to many of us — political instability, bureaucratic inertia, desperate poverty, inadequate infrastructure — they have managed to give birth to hope that the future can be better than the present. Their accomplishment is a testament to their doggedly held belief that education is the cradle in which peace can be nurtured.

Yet the wind will blow and this cradle will rock: most of PAHS' funding comes from the Nepali government, a government that continues to struggle to reconcile the vast differences in Nepali society. Future funding of PAHS is by no means assured and there is a need for scholarships to fund bright, hopeful students from rural areas.

PAHS is an extraordinary venture, at once ambitious, stubborn, hopeful and fragile. The hope of students like Ishwori is for a Nepal in which rich and poor alike can live in dignity and peace. It is not a lot to ask, and the nardest work has already been done by Nepalis themselves. If they can do it — and, with the right support, we have no doubt that they will — it will be an example to the world of the power of education to transform the human condition.

David Dunne is a professor of marketing at the Rotman School of Management and Carol-Ann Courneya is a professor of physiology at the University of British Columbia. Both are members of the International Advisory Board of PAHS (www.pahs.edu. np) and have a deep relationship with Nepal and its wonderful people.